

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	\$0	2.1	George Washington University
National Science Foundation	CRCNS Research Proposal: Collaborative Research: Discovering Network Structure in the Space of Group-Level Functional Differences	\$776,050	2.1	Johns Hopkins University
Brain & Behavior Research Foundation	Rapid Phenomic Interrogation of CRISPR-Cas9 Edited Mammalian Brains	\$0	2.1	Massachusetts Institute of Technology
Simons Foundation	Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders.	\$125,000	2.1	Brandeis University
National Institutes of Health	Interactions Between IgSF Proteins in Neural Circuit Formation	\$228,511	2.1	University of Chicago
National Institutes of Health	Parent-Toddler EEG Neural Synchrony as a Window into Social Communication Deficits in Autism	\$232,646	2.1	Northwestern University
National Institutes of Health	Using Complex Video Stimuli to Elucidate Atypical Brain Functioning in ASD	\$546,067	2.1	Indiana University Bloomington
National Institutes of Health	Neural Mechanisms of Predictive Impairments in Autism	\$373,253	2.1	Purdue University
National Institutes of Health	Understanding Attentional Strengths and Weaknesses in Autism Spectrum Disorder	\$226,857	2.1	Purdue University
National Institutes of Health	Functional Connectomics Associated with ASD	\$376,587	2.CC	Yale University
National Institutes of Health	Cognitive and Neural Flexibility in Autism	\$445,328	2.1	University of Miami Coral Gables
National Institutes of Health	Clinical Characterization Core	\$421,107	2.Core/Other	Yale University
National Institutes of Health	Neurobiological Signatures of Perception of Audiovisual Speech in Children with Autism Spectrum Disorders	\$394,859	2.1	Southern Connecticut State University
National Institutes of Health	Neuroimaging Genetics to Study Social Cognitive Deficits in ASD and Schizophrenia	\$249,000	2.1	Massachusetts General Hospital
Simons Foundation	The role of striatal interneurons in social deficits and repetitive behaviors	\$0	2.CC	Yale University
National Institutes of Health	Roles of Oxytocin and Vasopressin in Brain	\$1,986,027	2.1	National Institute of Health - Intramural
National Institutes of Health	The Cognitive Neuroscience of Autism Spectrum Disorders	\$907,757	2.1	National Institute of Health - Intramural
National Institutes of Health	Pivotal Transitions in Early Infancy that Shape Network Development of the Social Brain	\$386,089	2.1	Emory University
National Institutes of Health	Neural Mechanisms of Live Joint Attention in Autism Spectrum Disorders: An fNIRS Hyperscanning Investigation	\$29,244	2.1	Yale University
National Institutes of Health	Social-Communicative Deficits in Autism Spectrum Disorder as Measured by mGluR5 Positron Emission Tomography	\$251,250	2.1	Yale University
Simons Foundation	Identifying convergent neural circuit impairments in autism.	\$156,644	2.1	Yale University

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Brain & Behavior Research Foundation	Neural Bases of Atypical Language Learning in Children with ASD: A Combined fMRI/MEG Study	\$0	2.1	University of Delaware
National Institutes of Health	Gabaergic Neurophysiology in Autism Spectrum Disorder	\$195,048	2.1	Stanford University
National Institutes of Health	Homeostatic Stabilization of Neural Function in Health and Disease	\$1,174,199	2.1	University of California, San Francisco
Brain & Behavior Research Foundation	The Role of Medial Amygdala in Regulating Social Behaviors	\$13,427	2.1	University of California, Los Angeles
Brain & Behavior Research Foundation	Neural Correlates of Behavioral Treatment for Toddlers with ASD	\$0	2.1	University of California, Davis Medical Center
National Institutes of Health	Parsing ASD Heterogeneity: Neuroendophenotypes of Social Attention and Sensory Responsivity	\$860,901	2.1	University of California Los Angeles
National Institutes of Health	Robust Trans-synaptic Labeling Technologies for Cell Type-specific Quantitation of Synaptic Connectivity	\$437,452	2.Core/Other	University of California, San Diego
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	\$66,025	2.1	University of California, San Francisco
National Institutes of Health	Integrity and Dynamic Processing Efficiency of Networks in ASD	\$577,255	2.1	San Diego State University
National Institutes of Health	Statistical Analysis Core	\$208,320	2.Core/Other	Yale University
National Institutes of Health	Neonatal Connectome as a Predictor of Social and Attentional Impairment in ASD	\$366,262	2.1	Yale University
National Institutes of Health	Administrative Core	\$110,245	2.Core/Other	Yale University
Simons Foundation	Decoding Affective Prosody and Communication Circuits in Autism	\$0	2.1	Stanford University
National Institutes of Health	The Neurobiological Basis of Heterogeneous Social and Motor Deficits in ASD	\$430,837	2.1	University of Southern California
Brain & Behavior Research Foundation	Developing Neural Markers to Evaluate Social Skills Training in ASD	\$17,500	2.1	California Institute of Technology
Simons Foundation	Cellular and circuit effects of SCN2A haploinsufficiency	\$150,000	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Brain imaging of treatment response	\$0	2.1	The Hospital for Sick Children
Simons Foundation	Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	\$0	2.1	University of California, Los Angeles
Simons Foundation	Network activity and translational regulation in SHANK2 ASD neurons	\$273,710	2.1	The Hospital for Sick Children
National Institutes of Health	Social Processes Initiative in Neurobiology of Autism-spectrum and Schizophrenia-spectrum Disorders (SPIN-ASD)	\$307,587	2.1	Centre For Addiction and Mental Health

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Simons Foundation	Understanding the neurobiology of attachment deficits in ASD	\$70,000	2.1	University of California, San Francisco
Brain & Behavior Research Foundation	Developmental Role of Prefrontal Cortex-raphe Circuits in Stress and Mood Disorders	\$0	2.1	INSERM
Brain & Behavior Research Foundation	Balancing Neuronal Excitability: Synaptic Shank Proteins Control Metabotropic Glutamate Receptor Trafficking and Activity	\$17,500	2.1	Utrecht University
National Institutes of Health	Abnormal Prefrontal Network Structure Underlying Anxiety in Autism	\$200,178	2.1	University of California, San Francisco
Brain & Behavior Research Foundation	Cerebellum, Simple System with Complex Functions in Health and Disease: New Roles of the Cerebellum in Pathophysiology of Autism	\$35,000	2.1	Karolinska Institute
National Institutes of Health	Gene-Brain-Environment Interactions as Determinants of Typical and Atypical Developmental Trajectories	\$75,492	2.1	University of California Los Angeles
Simons Foundation	Myelin integrity and plasticity in Autism Spectrum Disorders	\$0	2.1	Stanford University
Brain & Behavior Research Foundation	Shifting Brain Excitation/Inhibition Balance in Autism Spectrum Disorder	\$0	2.1	King's College London
Simons Foundation	A major programme of fundamental and clinical autism research	\$5,319,931	2.1	University of Edinburgh
National Institutes of Health	Loss and Rescue of Endocannabinoid-Dependent LTP and Memory in Fragile-X Model Mice	\$426,656	2.1	University of California-Irvine
National Institutes of Health	Prefrontal Corticothalamic Circuits in Autism	\$178,646	2.1	University of Texas, Austin
Autism Speaks	Investigating the cerebellar circuit target for modulating ASD behaviors	\$0	2.1	University of Texas Southwestern Medical Center
Tuberous Sclerosis Alliance (TSA)	Impact of Cerebellar – Medial Prefrontal Cortical Circuits	\$56,250	2.1	UT Southwestern
Brain & Behavior Research Foundation	Evoked Neurotransmitter and Neurochemical Amygdala Responses and Autonomic Arousal to Social Threat and Safety Signals in Typically Developing and Autistic Children and Adolescents	\$0	2.1	University of Wisconsin-Madison
National Institutes of Health	Brain Connectivity and the Role of Myelin in Autism Spectrum Disorders	\$134,757	2.1	University of Wisconsin-Madison
National Institutes of Health	The Relationship Between Language and the Brain in Neurodevelopmental Disorders	\$170,259	2.1	University of Wisconsin-Madison
National Institutes of Health	Inhibitory Dysfunction in Autism	\$559,741	2.1	University of Washington
Brain & Behavior Research Foundation	Interpersonal Neural Coordination During Social Interaction in Children with Autism Spectrum Disorders	\$17,485	2.1	University of Pittsburgh

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National Institutes of Health	Electrophysiological Signatures of Language Impairment in Autism Spectrum Disorder	\$326,316	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Investigating the Cerebellar Circuit Substrate for Modulating ASD Core Diagnostic Behaviors	\$38,124	2.1	Ut Southwestern Medical Center
Tuberous Sclerosis Alliance (TSA)	Neural Circuits Underlying Autism-Related Behaviors in Tuberous Sclerosis	\$18,750	2.1	UT Southwestern
National Institutes of Health	Multiscale Genetic Connectivity of Primate Social Circuits	\$636,124	2.1	University of Utah
National Institutes of Health	MEG Studies of Auditory Processing in Minimally/Non-Verbal Children with ASD and Intellectual Disability	\$295,506	2.1	Children's Hospital of Philadelphia
Simons Foundation	Insula-Central Amygdala Circuits in Social and Sensory Function	\$80,000	2.1	Vanderbilt University Medical Center (VUMC)
National Institutes of Health	Phase-Amplitude Coupling and Dysfunction in ASD	\$215,000	2.1	Children's Hospital of Philadelphia
Department of Defense - Army	Brain Network Activation Patterns in Autism Due to Genomic Copy Number Variation	\$0	2.1	Baylor College of Medicine
National Institutes of Health	Bidirectional Tyrosine Kinase Signaling	\$506,652	2.1	Ut Southwestern Medical Center
Brain & Behavior Research Foundation	Neurologin 2 in Cortical Excitation-Inhibition Balance	\$0	2.1	Baylor College of Medicine
Simons Foundation	Cerebello-Cortical circuits in Autism-related behavior	\$150,000	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Cerebellum and Mental Disorders	\$326,512	2.1	Albert Einstein College of Medicine
National Institutes of Health	Understanding Somatosensory Deficits in Autism Spectrum Disorders	\$88,884	2.1	Harvard Medical School
Simons Foundation	Top-down dynamics in autism	\$0	2.1	Rockefeller University
National Institutes of Health	Neuronal Correlates of Autistic Traits in ADHD and Autism	\$696,598	2.1	Child Mind Institute, Inc.
Autism Science Foundation	Explaining how the ASD brain works during social interaction	\$25,000	2.1	State University of New York, Stony Brook
Simons Foundation	Defective lineage-dependent precise neocortical circuit assembly in ASD	\$82,500	2.1	Joan & Sanford I. Weill Medical College of Cornell University
National Institutes of Health	An fMRI Investigation of Propagated intrinsic Activity in Early Development and Autism	\$35,962	2.1	Washington University
National Institutes of Health	Imaging Brain Function in Children with Autism Spectrum Disorders with Diffuse Optical Tomography	\$142,015	2.1	Washington University
National Institutes of Health	Cdh8-Dependent Circuit Development in Autism	\$381,375	2.1	Icahn School of Medicine at Mount Sinai
Simons Foundation	Disrupted GABAergic action in the autistic brain	\$173,900	2.1	Trustees of Dartmouth College

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National Institutes of Health	Elucidating Cutaneous Mechanosensory Circuits, from Development to Disease	\$831,501	2.1	Harvard Medical School
National Institutes of Health	Connectivity of the Posterior Cerebellum	\$41,124	2.1	Princeton University
National Institutes of Health	Cerebellar Determinants of Flexible and Social Behavior on Rapid Time Scales in Autism Model Mice	\$946,977	2.1	Princeton University
Brain & Behavior Research Foundation	Striatal Interneuron Deficiency Produces Autistic-like Behavior: An Insight into Neural Circuits and Treatment	\$0	2.1	Research Foundation for the State University of New York (SUNY) on behalf of University at Buffalo
National Institutes of Health	The Neural Architecture of Pragmatic Processing	\$397,500	2.1	Massachusetts Institute of Technology
Simons Foundation	Molecular and functional characterization of sickness-sensitive circuits	\$162,500	2.1	President & Fellows of Harvard College
Autism Science Foundation	Using big data to characterize the female brain in autism	\$0	2.CC	NYU School of Medicine
Brain & Behavior Research Foundation	Neural Circuit Basis for Cortical Oscillations as a Biomarker for Neurological Disorders	\$0	2.1	Boston University
National Institutes of Health	Testing the Bottom-Up vs Top-Down Imbalance Hypothesis of ASD	\$841,853	2.1	Massachusetts General Hospital
Simons Foundation	Conserved neural mechanisms for social motivation in mice and humans	\$79,868	2.1	Massachusetts Institute of Technology
National Institutes of Health	MRI-based Biomarkers for Regional Brain Abnormalities in Autism Spectrum Disorder: From Newborns to Young Adults	\$265,500	2.3	Boston Children's Hospital
National Institutes of Health	Imaging Adaptive Cerebellar Processing at Cellular Resolution in Awake Mice	\$428,215	2.1	Princeton University
Simons Foundation	Biased spatiotemporal dynamics of striatal circuits impact behavior in ASD	\$275,000	2.1	Columbia University Medical Center
Simons Foundation	Regulation of striatal neuronal development by mTOR/macrophagy	\$149,307	2.1	Columbia University Medical Center
National Institutes of Health	Characterizing Neural Adaptation in Autism Spectrum Disorder	\$58,654	2.1	Massachusetts Institute of Technology
National Institutes of Health	Underlying Neuronal Circuitry of Attention in Both Sexes of a Rat Model of Fragile X Syndrome	\$42,924	2.CC	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Mapping Language Processing in Children with Autism Spectrum Disorder with Diffuse Optical Tomography	\$228,750	2.1	Washington University
Brain & Behavior Research Foundation	Role of Cortical Progenitors in the Specification of Cortical Projection Neuron Subtypes and their Diversity	\$35,000	2.1	Cold Spring Harbor Laboratory
Brain & Behavior Research Foundation	Nominally Non-responsive Cells in a Sensory-prefrontal Cortical Loop Enable the Flexible Control of Adaptive Behavior	\$17,500	2.1	New York University

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National Institutes of Health	Novel Non-Cell Autonomous Mechanisms of Callosal Dysgenesis in CHARGE Syndrome	\$28,345	2.Core/Other	University of Michigan at Ann Arbor

